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DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection system, which can be switched on and off by the DVD disc itself, in order to make any recording of the relevant DVD disc onto a videotape of very poor picture quality, or even impossible. "This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home use only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited."

Some points to check before you connect

- Ensure that the mains supply in your house complies with that indicated on the identification sticker located on the back of your appliance.
- Install your appliance horizontally, away from any source of heat (fireplace) or appliances creating strong magnetic or electric fields. The components of this appliance are sensitive to heat. The maximum ambient temperature should not exceed 35° Celsius.
- Leave sufficient space around the appliance to allow adequate ventilation: 10 cm on either side and at the rear, as well as 7 cm above the top are ideal.
- The humidity of the room should not exceed 75%. If you have to use the appliance outdoors, do not expose it to rain or splashing water. The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.
- Moving it from a cold environment to a warm one is likely to cause condensation on some components inside the appliance. Let the condensation disappear of its own accord before turning the appliance on again.
- Before moving the player, make sure the disc tray is empty.

Other important use and cleaning information at the end of the booklet.

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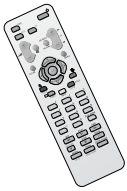
Accessories provided



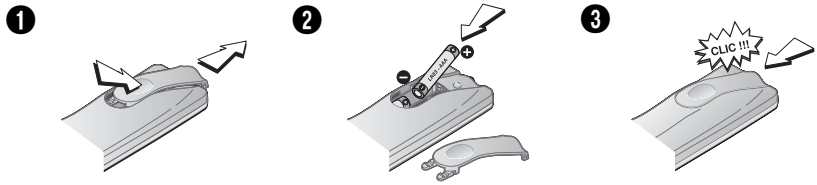
Remote control

Scart lead

2 non-rechargeable batteries, type AAA

Coaxial cable

Inserting batteries in the remote control

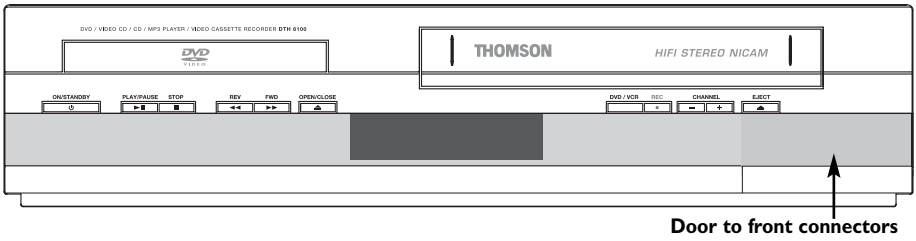


- **Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries.**
- **In order to avoid any risk of explosion, observe the polarities indicated inside the battery compartment. Replace only with the type of batteries specified above. Do not dispose of them in a fire or recharge them.**
- **If you are not using the remote control for a long period of time, remove the batteries.**

- **Please respect the environment and prevailing regulations. Before you dispose of batteries or accumulators, ask your dealer whether they are subject to special recycling and if they will accept them for disposal.**

Out of consideration for the environment, we have printed this document on unbleached recycled paper.

Front panel controls (buttons appear left to right below)



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⏻ **ON/STANDBY** - Switch the appliance on and off.

►II **PLAY/PAUSE** - Start playing a disc or a cassette. Go into pause.

■ **STOP** - Stop disc or cassette playback.

◄◄ **REV** - Start fast reverse in DVD mode and in VCR mode.

►► **FWD** - Start fast forward in DVD mode and in VCR mode.

⏏ **OPEN/CLOSE** - Open and close the DVD player's disc tray.

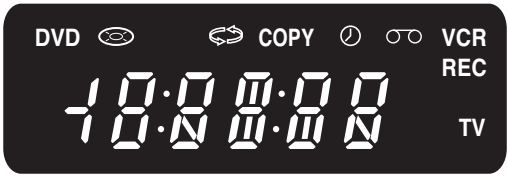
DVD/VCR - Change from DVD mode to VCR mode and vice versa.

● **REC** - Start recording in VCR mode.

CHANNEL -/+ - Change channel in VCR mode.

⏏ **EJECT** - Eject the cassette from the video recorder.

Front panel display



DVD Appears when the appliance is in DVD mode.

Appears when a disc is loaded.

Appears when the appliance is in repeat mode.

COPY Appears when a copy from a disc onto a tape is in progress.

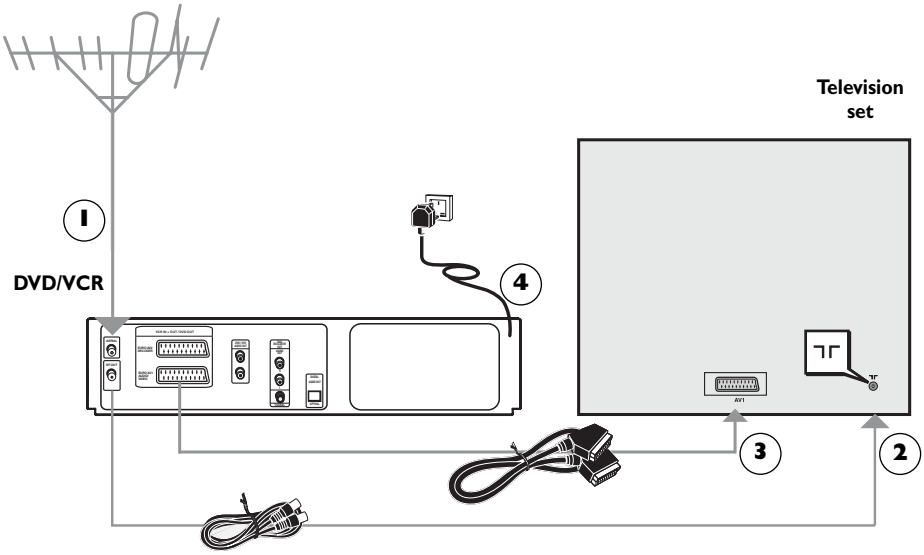
Indicates that a recording is programmed or a timer recording is in progress.

Appears when a tape is inserted in the video recorder.

VCR Appears when the appliance is in VCR mode.

REC Appears when a recording is in progress.

TV Appears in TV mode.



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Basic connections (DVD/VCR + TV)

1. Disconnect the aerial cable from your television set and reconnect it to the **AERIAL** socket of the DVD/VCR.
2. Using the coaxial cable supplied, connect the **RF OUT** socket of the DVD/VCR to the aerial socket of the television set.
3. A Scart lead connection between the appliance and your television set makes it easier to use and improves picture and sound quality. Connect the DVD/VCR's Scart socket (**EURO AV1 AUDIO/VIDEO**) to the television set's Scart socket (**AV1**, **EXT1**, **AUX1**, according to the make) using the Scart lead (provided).
4. Connect the DVD/VCR to the mains socket using the mains lead.

Basic connections (DVD/VCR + TV + satellite or cable receiver)

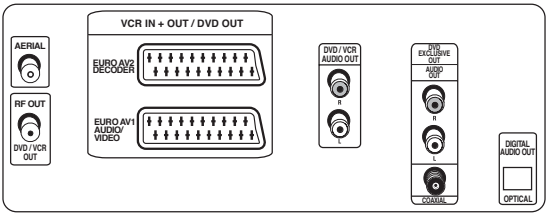
1. Connect the DVD/VCR to the television set as described above (step 1 to 3).
2. Connect the satellite or cable receiver scart socket to the DVD/VCR's second Scart socket (**EURO AV2 DECODER**) using a Scart lead (not provided).
3. Connect the DVD/VCR to the mains socket using the mains lead.

Note: If one of the devices is not working, check that all the cables have been inserted properly into the sockets which they should be connected to.

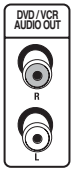
Other connection options

The basic connections (described above) are for standard-quality sound and high-quality picture reproduction. There are other connection options available, which can produce pictures and sound of better or poorer quality:

Back panel audio sockets



Back of DVD/VCR



DVD/VCR AUDIO R and L sockets

DVD EXCLUSIVE AUDIO R and L sockets

Audio cables (red and white)

DVD/VCR AUDIO OUT L (left) and R (right) sockets - DVD EXCLUSIVE AUDIO OUT L (left) and R (right) sockets

These are analogue audio output sockets. The AUDIO L socket and cable are white, while the AUDIO R socket and cable are red. Connect the DVD/VCR AUDIO L and R sockets to the television set's AUDIO L and R sockets using audio cables (not provided).

Note: If your television set only has one audio socket connect it to the DVD player's left socket (white).

The DVD exclusive sockets are dedicated to the DVD player and offer a higher level of sound quality than the DVD/VCR ones.

Coaxial cable

Coaxial digital audio output

Optical cable

Optical digital audio output

Coaxial digital audio output (COAXIAL) / Optical digital audio output (OPTICAL)

These sockets offer a higher level of sound quality compared to that provided using an analogue audio connection. Use one of these sockets to connect your DVD Player to a Dolby Digital or DTS receiver or decoder. Some receivers have only one of these sockets. Under most conditions, optical and coaxial connections work equally well. The coaxial and optical cables are not supplied with the device.

Front panel audio and video sockets

Audio/video cable

VIDEO IN and AUDIO IN L and R sockets

Connect your camcorder to the AUDIO L (left), AUDIO R (right) and VIDEO sockets located at the front of the DVD/VCR using an audio/video cable (not supplied).

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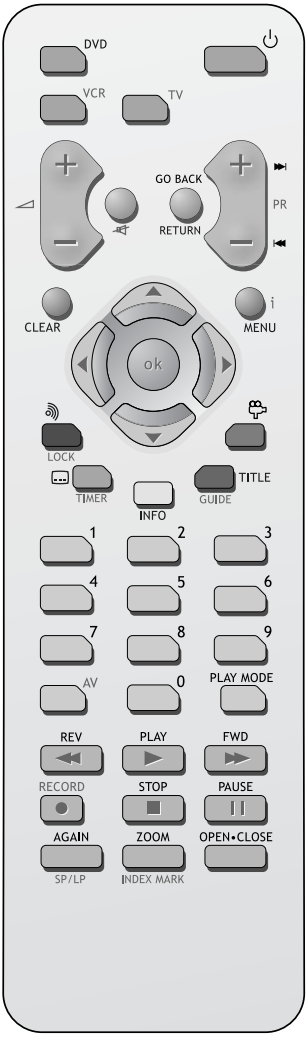
The remote control

Navigating through menus

Use the direction buttons to navigate through the menus. Press the **ok** button on the remote control to confirm any selection you make.



General functions

⏻	Switch the appliance on and off.
DVD	Select the DVD player.
VCR	Select the video recorder.
◿	Adjust the sound volume of the television set.
(mute)	Mute and restore the sound of the television set.
LOCK (red)	Lock the appliance. Press again **LOCK** to unlock the appliance.
0-9	Number entry.
PLAY	Start playing a disc or a tape.

Functions in DVD mode

GO BACK	Return to the previous menu.
⏭ ⏮	Directly access the next or previous chapter (DVD) or track (CD).
CLEAR	Hide the **Info** menu.
MENU	Access the disc menu during play (if there is one) or resume play.
(red)	Access the audio function of the **Info** menu (see page 23).
(green)	Access the subtitle function of the **Info** menu (see page 22).
INFO (yellow)	Access the **Info** menu (see page 21).
TITLE (blue)	Access the disc menu.
(purple)	Access the camera angle function of the **Info** menu (see page 24).
PLAY MODE	Access the play mode function of the **Info** menu (see page 23).
REV	Start fast reverse, reverse accelerated play or reverse slow motion (see page 20).
FWD	Start fast forward, forward accelerated play or forward slow motion (see page 20).
STOP	Stop play, accelerated search or slow motion and access the main menu.
PAUSE	Freeze frame, frame advance or slow motion (see page 20).
AGAIN	Move backwards approximately 10 seconds during disc playback (DVD) (see page 20).
ZOOM	Access the Zoom function (see page 20).
OPEN•CLOSE	Open and close the disc tray.

Functions in VCR mode

PR+ / PR-	Change channel.
CLEAR	Set the counter to zero.
¡	Access the VCR main menu. Exit a menu.
TIMER (green)	Display the **VIDEO Plus+** menu (see page 13).
0-9	Select a channel, enter numbers.
AV	Select the devices connected to the Audio/Video sockets (AV1, AV2, ...).
PLAY MODE	Watch one TV channel whilst recording another one.
REV	Start fast reverse, reverse accelerated play (see page 11).
FWD	Start fast forward, forward accelerated play (see page 11).
STOP	Stop play, accelerated search, slow motion or recording.
PAUSE	Freeze frame, frame advance (see page 11).
RECORD	Start recording (see page 12).
SP/LP	Double the recording time of a tape with the LP function (see page 12).
OPEN·CLOSE	Eject the tape.

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Functions in TV mode

This remote control can be used with some recent models of televisions: Thomson, Saba, Brandt, Ferguson, Telefunken and Nordmende.

Note: The buttons described below operate as specified, provided that the relevant function is available on the television.

TV	Select the television.
	Adjust the sound volume.
(mute)	Mute and restore the sound.
PR+ / PR-	Change channel.
GO BACK	Return to the channel watched before last.
CLEAR	Exit a menu.
MENU	Access the television's main menu.
	Use the Zoom function (with a 16/9 television only).
INFO (yellow)	Obtain information about the channel.
GUIDE (blue)	Display the programme guide.

Note: The coloured buttons can also be used to access the Teletext topics indicated in colour (if your television has the Teletext function available).

0-9	Select a channel. For 2-digit channels, first press **0**.

Tuning in a video channel on your TV

If your television is not fitted with a Scart socket, you were unable to connect it to the AV1 socket of the DVD/VCR using a Scart cable (not supplied) as shown on page 4, step 3. In this case, you must make below settings before you start the automatic channel set-up (page 9).
The output frequency of this appliance is set at UHF channel 60.

If channel 60 is already used by another TV station, or if the picture is distorted, you can change the transmitter channel of your VCR. Stages 7 ~ 13 will show you how to change the output frequency of your DVD/VCR.

Make sure that you have correctly installed the appliance as described earlier in this book.

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1. Turn on your TV.

2. Press ⏻ to turn on the appliance and then press the **VCR** button on the remote control.

3. Insert a pre-recorded video tape into the VCR and press **PLAY** on the remote control.

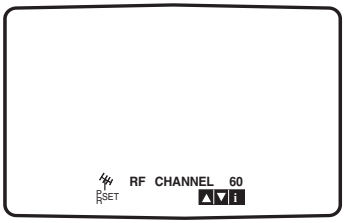
4. Select a TV channel number on which you wish to watch videos.
Don't worry if you don't have a video tape to play at this stage! If you switch the appliance on and continue stages 5 ~ 6, instead of seeing video playback tune your TV until you see a bright blue screen.

5. Tune this channel until the video picture is sharp and the sound is clear.

6. Store this channel on your TV.
You will need to look at the TV instruction book if you do not know how to do this.

Note: Only carry out stages 7 ~ 13 if you cannot obtain clear video playback as described in stages 1 ~ 6.

7. Select a TV channel number on which you wish to watch videos. Make sure that the DVD/VCR is in standby by pressing ⏻ on the remote control (only the clock will be displayed).



8. Press **CHANNEL-** or **CHANNEL+** on the front of the appliance for more than 4 seconds. **RF60** will appear on the front display. The picture opposite will be displayed on the TV screen.

9. Press **CHANNEL-** or **CHANNEL+** to select another video channel. You may select any channel number between 22 and 68.

10. Select a TV channel number on which you wish to watch videos.

11. Tune this channel so that a bright blue screen appears.

12. Store this channel on your TV.

13. Press ⏻ on the front of your appliance when you have finished.

Make sure that you have correctly installed the appliance and successfully tuned in a dedicated video channel on your TV. If you do not tune in a dedicated video channel on your TV you will be unable to view and record video tapes!

Tuning in TV channels

The first time you use the DVD/VCR, you will see the ACMS (Automatic Channel Memory System) displayed on the screen. This system automatically tunes and stores TV channels. If you want to return to ACMS after your initial set-up, access it via the menu.

Automatic channel search

1. Switch the television set on.
2. Press the ⏻ button to turn the appliance on and then press the **VCR** button on the remote control.
3. Select the AV channel on the television set.
4. Press **ok** to start the automatic tuning process.
5. When the automatic channel search is completed a screen showing all the channels that have been found and the positions they have been placed in is displayed.
6. The automatic channel set-up assigns the numbers to the channels in a predefined order. These numbers may therefore not match the actual channel numbers. Should this be the case, change these numbers by carrying out the instructions below (see "Sorting the channels").
7. Press i to store the settings.

Note: After the automatic channel search has taken place, the time and date will set automatically. If the time is shown as –:-- on the display window, it means that the signal was too weak to allow the clock to be set automatically. If you wish to manually set the clock, see "Setting the clock" on page 15.

Sorting the channels

For easy channel identification, we suggest that you have a TV magazine at hand.

1. Press the **VCR** button. Press i to access the main menu. Use the ◄ and ► buttons to select **PR SET** PR SET then press **ok**.
2. Press i again.
3. To move a channel, use the ▲ and ▼ buttons to select the programme number that you wish to move. Then press ►. Press ▲ and ▼ until you reach the position you wish to store the channel in. Press **ok**. The channel will move to the new position.
4. To delete a channel, use the ▲ and ▼ buttons to select the channel number you wish to delete and press ◄. After a short while the selected channel will be deleted. The remaining channels are resorted automatically.
5. Press i to leave the menu. To move or delete other channels, repeat the above process.

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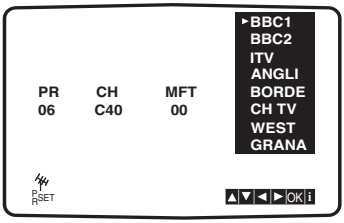
Manual installation

To complete the set-up of your video recorder when the automatic channel set-up has not stored all the channels or when you wish to store a new channel.

1. Turn on your television and your DVD/VCR. Select the AV channel on your television, press the **VCR** button and then press i to access the main menu.
2. Press the ◄ and ► buttons to select **PR SET** then press **ok**.
3. Press i again and the television channel table appears.
4. Use the ▲ and ▼ buttons to select the programme number you want to tune, then press **ok**.
5. Select the **CH** section (if not already selected) by using the ◄ and ► buttons and then press the **AV** key to select **C** (for channels received via your roof aerial) or **S** (for cable network channels).
6. Press **ok** and select the colour system of the channel by pressing the ▲ and ▼ buttons. Press **ok**, and then use the ▲ and ▼ buttons to search for the channel of a programme.
7. The station can be fine tuned to improve picture quality. Select **MFT** (Manual Fine Tuning) using the ◄ and ► buttons. Use the ▲ and ▼ buttons to adjust the picture.
8. Select **STATION** by pressing the ► button. You can then name your station.



9. Press **ok** to reveal the television channel name list. Use the ▲ and ▼ buttons to choose a channel name from the list. Press **ok** to select it.
10. If the station name you require is not listed you can insert one manually. Then press the ► button. A flashing bar appears beneath the first letter. Use the ▲ and ▼ buttons to select letters and numbers for the new channel name up to a maximum of 5. Press the ◄ and ► buttons to pass on to the previous or next character. Press **ok**.
11. Press i to confirm.
12. Press i again to remove the menu.
13. The new channel is now stored into your video recorder.

If you wish to install manually other channels you should repeat the above procedure.

To sort the new channel, see "Sorting the channels" on page 9.

Note: If it is necessary for you to tune all the channels manually you may find it easier if you write the CH numbers down for each station as you find them. You can then select each channel from the main menu and type the CH numbers in directly. Each channel will then be in the correct position so there is no need to sort them later.

Playback

Load a tape and press **PLAY**.

Stopping playback

Press the **STOP** button on the remote control to stop playback.

Accelerated play

While a video tape is playing you can search the tape forward and backward to look for a specific position on the tape. Press **REV** or **FWD** to make the tape play rapidly backwards or forwards. The picture will be shown at seven times normal play speed.

Fast Forward / Rewind

Press **STOP** then press either **REV** for rewind or **FWD** for fast forward.
Whilst you are rewinding or fast forwarding you can view the section you are passing. Press and hold (for a few seconds) either **REV** or **FWD**. Releasing the button will return the video recorder to normal rewind or fast forward operation.

Variable playback

Use the ◀ and ▶ buttons to adjust playback speed during playback or for freeze frame. Below is a list of available speeds:

◀ x 1 = slow motion	◀ x 5 = reverse playback 7x speed
◀ x 2 = freeze frame	▶ x 1 = playback 2x speed
◀ x 3 = reverse playback	▶ x 2 = playback 7x speed
◀ x 4 = reverse playback 3x speed	

To resume normal playback, press **PLAY**.

Note: During slow motion, noise bars may appear on the picture according to the status of tape. If distortions can be seen in the picture, reduce them with the ▲ and ▼ buttons.

Still image

Press the **PAUSE** button for freeze frame. This picture may display some interference in the form of black and white horizontal lines. This is perfectly normal and does not mean that the video tape is damaged.

Note: Freeze frame cannot exceed five minutes. After five minutes, the video recorder automatically stops.

Frame Advance

1. Press **PAUSE** repeatedly to advance forward image by image.

   Note: You can use the ▲ and ▼ buttons to reduce any vertical movement seen on the still picture.

2. Press **PLAY** to return to playback.

Ejecting the tape

Press **OPEN·CLOSE** on the remote control or **EJECT** on the front panel to eject the tape.

Note: If the end of the tape is reached, the video recorder automatically stops, rewinds, ejects the tape and goes into standby mode.

Recording options

Recording from an AV socket

If you wish to record from the AV2 socket located on the back panel of the DVD/VCR or from the AV3 sockets located on the front panel, press the **AV** button to select the appropriate audio/video mode (AV2 or AV3).

SP (Standard Play) /LP (Long Play)

The video recorder includes the Long Play (LP) feature. This means you can record twice the amount of information on each recordable video tape. For example on a three hour (E180) tape you can record six hours worth of programmes. Press the **SP/LP** button to switch from SP to LP. Depending on your selection, **SP** or **LP** is displayed on your television screen.

Instant Recording

1. Turn the DVD/VCR and television on. Insert a video tape into the video recorder. Select the AV channel on your television.
2. Press the **VCR** button and use the **PR+/-** button to select the programme you wish to record. The currently selected programme are displayed on screen. You can also select the programme number using the remote control number buttons.
3. Press the **RECORD** button to start recording. **RECORD SP** appears on the television screen and **REC** is displayed on the front display.

The video recorder starts recording until the end of the tape is reached or it is manually stopped.

Instant Timer Recording

1. To set the length of time you want to record for, press the **RECORD** button twice. The television screen shows **0H30**.
2. Press the **RECORD** button again to increase the recording time by another thirty minutes to a maximum of nine hours.

If you press **PAUSE** during instant recording, the video recorder switches to record pause mode and the set period of time is cancelled.

1. Press **PAUSE** to interrupt recording.
2. Press **PAUSE** again to resume recording.

Notes:

Tapes can be paused for up to five minutes. **RECP** *will be displayed on the television screen while a tape is paused. After five minutes the video recorder automatically goes into STOP mode.*

To view one channel whilst recording another, press the **PLAY MODE** *button.* **TV** *appears on the front display. Then switch to the channel you want to watch using the remote control.*

Ending a recording

Press the **STOP** button twice.

Note: When the end of the tape is reached the VCR automatically stops recording, rewinds, stops, ejects the tape and goes into standby mode.

Programming a recording

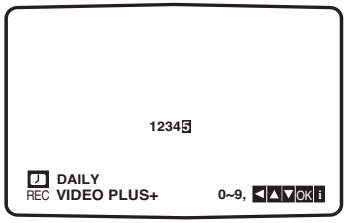
Programming a recording can be done up to one month in advance with up to seven recordings being pre-programmed. Ensure the television channels have been tuned and stored correctly and that the clock is set to the correct time.

Programming a recording using the PlusCode® numbers

Each television broadcast has its own PlusCode number guide which can be found in your TV magazine. To programme the recording of a broadcast, all that is required is for you to enter this number in the **VIDEO Plus+** menu; it contains the date, start and end time and the number of the channel broadcasting the programme.

VIDEO Plus+ and Plus Code are registered trademarks of Gemstar Development Corporation. The VIDEO Plus+ system is manufactured under licence from Gemstar Development Corporation.

1. Press the **VCR** button and then the **TIMER** button to access the **VIDEO Plus+** menu.



2. Select the the frequency of the recording using the ▲ and ▼ buttons: **ONCE** (recording of a single programme), **DAILY** (daily recording from Monday to Friday) or **WEEKLY** (recording of a weekly programme).

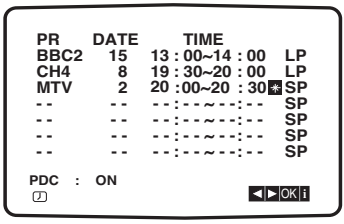
3. Use the number buttons to enter the PlusCode number of the broadcast you want to record.

4. Press **ok**.

The data corresponding to the entered PlusCode number are displayed.

- If **PLEASE CHECK** appears, check the number and re-enter it.
- If **- -** appears, enter the programme number of the channel. It will automatically be stored in the internal VIDEO Plus+ channel map.

5. To change one of the settings, select it using the ◄ and ► buttons.



6. Press the ► button to select the PDC function and activate or deactivate it using ▲ and ▼.

Note: Some channels telecast their programmes with PDC (Programme Delivery Control) signals. These signals detected by the video recorder allow accurate triggering and stopping of a recording, whatever the delay of the programmes.

7. Press ► to select the recording speed. Use the ▲ and ▼ buttons to scroll options: Standard Play (**SP**), Intelligent Play (**IP**) and Long Play (**LP**).

Notes: The IP feature adjusts the recording speed to quantity of video tape left. It switches speed from SP to LP if there is not enough tape left to record the whole programme in SP mode.

The IP feature is not available when PDC is on.

8. Press the i button to store your settings. If the message **PLEASE CHECK** appears, you have entered a wrong data. Please correct the data.

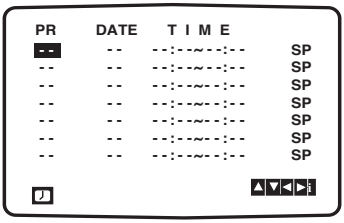
9. Press the i button to exit the menu.

10. Put the DVD/VCR into standby mode by pressing the ⏻ button on the remote control. ⏲ appears on the front display to show that the video recorder is set to record.

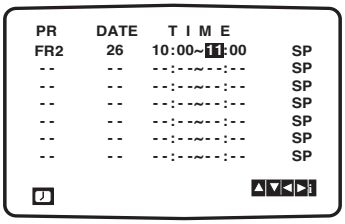
Programming a recording without the PlusCode numbers

Insert a video tape.

1. Press the **VCR** button and then i to access the main menu.
2. Use ◄ and ► to select **REC** ⏺.
3. Press **ok**. Press **ok** again to enter the timer recording menu.



4. To enter the programme number that you wish to record, scroll through the available options using the ▲ and ▼ buttons or enter the numbers directly. For single digit numbers, remember to press **0** first.
5. Press ► and enter the date of the programme you want to record. If you want to record a programme on a regular basis, press **ok** before entering a date in order to choose one of the available options: **DLY** (daily recording from Monday to Friday), or weekly recording (e.g. **MO** for Monday) to record at the same time every week. Press ◄ and ► to select one of the two options, then press **ok** to confirm.



6. Enter the time of the start and end time of the programme you wish to record.
7. Press the ► button and activate or deactivate the PDC function using the ▲ and ▼ buttons.
8. Press ► to select the recording speed. Use the ▲ and ▼ buttons to scroll options: Standard Play (**SP**), Intelligent Play (**IP**) and Long Play (**LP**).
9. Check that the timer recording details are correct, and press i to save your settings. If **PLEASE CHECK** is displayed you have entered incorrect information. Check the details on the television screen and reenter it. If you want to enter more timer recordings, repeat the above process from step 3.
10. Press i to remove the menu.
11. Put the DVD/VCR in standby mode by pressing the ⏻ button on the remote control. 🕐 appears on the front display. The video recorder is now ready to record at the time you have specified.

Changing or deleting timer events

To change a recording event press ▲ and ▼ to select the timer slot that you wish to change. Press ◄ to delete or **ok** to edit that entry. Use the ◄ and ► buttons to select the section you wish to change and the ▲ and ▼ buttons to change those sections.

Auto tracking

The video recorder automatically adjusts the tracking to provide the best picture quality. The message **A.TRACKING** is displayed when this function is in operation.
If the quality of the recording is poor, repeatedly press the ▲ and ▼ buttons on the remote control to manually adjust the tracking until all distortions have been removed. Press the **0** button on the remote control to restore the standard setting.

Setting the clock

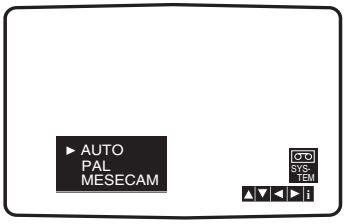
The video recorder uses a 24 hour clock. To enter a single digit number, first press the **0** button (e.g. 01 for 1).

1. Press i to access the main menu. Use the ◄ and ► buttons to select **TIME DATE** then press **ok**.
2. To set the clock manually, set the **AUTO ADJUST** function on **OFF** using ▲ and ▼. Press **ok** to adjust the date and time.
3. Use the numbered buttons on the remote control to enter the **HH** (hours), **MN** (minutes), **DD** (day), **MM** (month) and **YY** (year).
   The day of the week is automatically displayed once the date has been entered. If you make a mistake use ◄ and ► to select the item and re-enter the details.
4. When you are finished, press i to store your settings. The new time is displayed on the front display.

Note: If Auto Adjust is on and the signal is sufficiently strong, the clock settings will be automatically checked against teletext and adjusted as necessary.

Colour standards

The video recorder comes with an automatic colour standard detection system. When playing a tape causes problems (scrambled pictures or black and white), you must force the play mode by selecting one of the available options (PAL, MESECAM).



If you wish to record a tape in a particular colour standard, choose one of the displayed options.

1. Press i to access the main menu.
2. Use ◄ and ► to select **SYSTEM** then press **ok**.
3. Use ▲ and ▼ to select a colour system.
4. Press i to exit the menus.

Language selection

To select the language of the menus.

1. Press i to access the main menu.
2. Select **ABC** using the ◄ and ► buttons.
3. Press **ok** to display the various menu languages. Select your language using the ▲ and ▼ buttons.
4. Press i to store the settings.

Video Doctor

The video doctor will show the status of various features of the video recorder.

1. Press i to access the main menu.
2. Select **Dr.** with the ◄ and ► buttons.
3. Press **ok**.
4. Use the ▲ and ▼ buttons to check the following features:

HEAD STATUS
PLEASE CLEAN: The tape heads need cleaning.

TAPE STATUS
NOT RECORDABLE**:** The protection tab of the tape loaded the video recorder is broken; insert a tape suitable for recording.

NO. OF TIMER PROGRAMME: Shows the number of timer recordings programmed.

NEXT TIMER PROGRAMME: Shows the date and time of the next recording.

5. Press i to remove the menu from the television screen.

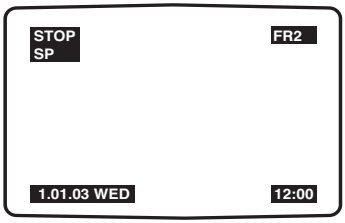
Sound settings

The video recorder can record and play back stereo sound. You can select the way sound is played back.

1. Press i to access the main menu.
2. Select **AUDIO** with the ◄ and ► buttons.
3. Press **ok**.
4. Use the ▲ and ▼ buttons to choose between: **STEREO**, **LEFT** (left channel only), **RIGHT** (right channel only), **MONO.**
5. Press i to exit the menu.

On screen display (OSD)

This function is used to display the current time, tape counter, tape remaining, date, day of week, channel and operational mode of your video recorder on your television screen. If a recording is taking place, the on screen displays will not be recorded onto tape.



1. Press **ok** to show the OSD.
2. Press **ok** repeatedly to scroll the various display options. The tape counter and amount of tape left will appear only if a tape is loaded.
3. After 3 seconds most parameters are cleared leaving only the clock or the tape counter and the amount of tape left on the television screen.
4. Press **ok** again to remove all OSD's from the television screen.

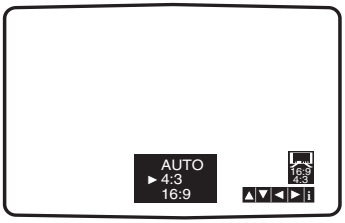
To turn off the on screen displays completely:

1. Press i to enter the main menu.
2. Select **fOSD ON OFF** using the ◄ and ► buttons and then press **ok**.
3. Select **OFF** using the ▲ and ▼ buttons. Press i to save the setting.

Format

For 16:9 screen playback the video recorder must be connected to your television using a SCART cable.

1. Press i to enter the main menu.



2. Use the ◄ and ► buttons to select **16:9/4:3** and press **ok**.
3. Use the ▲ and ▼ buttons to select one of the available options:

   AUTO automatically selects the format best suited to the content.

   4:3 to play back and record in 4:3 format.

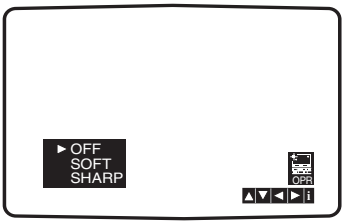
   16:9 to play back and record in 16:9 format.

4. Press i to save your settings.

OPR (Optimum Picture Response)

This feature enhances the picture from the video tape by adjusting to the condition of the video tape. If you feel that the picture needs adjusting you can manually change the OPR setting.

You can only set OPR when a tape is playing in the video recorder.



1. Press i to enter the main menu.
2. Use ◄ and ► to select **OPR** then press **ok**.
3. Use the ▲ and ▼ buttons to select one of the available options: **OFF**, **SOFT** or **SHARP**.
4. Press i to exit the menus.

NICAM

1. Press i to access the main menu.
2. Select **NIC** with the ◄ and ► buttons to set the NICAM function and press **ok**.
3. Select **AUTO** to operate the NICAM function automatically or **OFF** to turn it off.
4. Press i to exit the menu.

Resetting the tape counter

The tape counter displays the play or recording time elapsed in hours, minutes and seconds. Press **CLEAR** to reset the counter. Then when you press **STOP** and then **REV**, the video recorder will stop rewinding at 0:00:00.

Playing NTSC tapes

NTSC is the colour television standard used in the United States, in Japan and other countries. Your video recorder can play VHS-NTSC tapes, but you must have a television set compliant with the PAL standard. Most PAL television sets provide proper reproduction of the pictures from NTSC tapes.

Compatible discs

- DVD
- DVD-R, DVD-RW, DVD+RW
- CD
- CD-R, CD-RW

Compatible formats

- DVD, VCD (Video Compact Disc), SVCD (Super Video Compact Disc), JPEG
- CD, mp3, WMA.

More information about discs and compatible formats at the end of the booklet.

Regional coding

Your DVD player has been designed to process regional management information that is stored on DVD discs. DVD discs that have different regional codes to that of your player cannot be played. The regional code for your player is 2 (Europe, the Middle East, South Africa, Japan). ALL means all regions. When you buy a disc check that it bears the correct logo.

Operating the DVD player

1. Switch on your television set.
2. Press the ⏻ button on the remote control or the **ON/STANDBY** button located on the appliance's front panel. Press the **DVD** button on the remote control.
3. When the player first comes on a menu appears asking you to select the player menu language. Select the language you want using the ▲ or ▼ button, then press **ok.**

Using the menus

- Disc menu – The appearance and contents of this menu vary according to the type of disc you have inserted and are independent of the player's menus. When the disc is playing press the **MENU** button to display and hide this menu.
- **Info** menu – The player's **Info** menu appears as a bar at the top of the screen while the disc is playing. During this time, press the **INFO** button on the remote control to display and hide the **Info** menu.
- Player menu – If no disc has been inserted the player menu appears automatically. If a disc is being played press the **STOP** button to access this menu.

Note: A function is only available if it features on the disc you have inserted. For instance, if you select the Subtitles function from the **Info** *menu subtitles will only appear if subtitles have actually been provided on the disc. If a menu or icon appears greyed out this means that this menu or the associated function is not available.*

Playback

Switch the DVD/VCR and the TV set on.

1. Press the **DVD** button and press the **OPEN/CLOSE** button on the front of the appliance or the **OPEN·CLOSE** button on the remote control to open the disc tray.
2. Put the disc in with the printed side upwards (in the case of a single-sided disc).

3. Press **OPEN·CLOSE** again to close the disc tray.

- Play starts automatically, or
- The disc menu appears. One of its options can be selected to start playing the disc. Select it and press **ok**, or else
- The player's main menu appears. Select the option **Play** and press **ok**.

4. Press **STOP** to stop playback.

Notes:

The player stores the point where playback was interrupted. If you press **PLAY** *again, playback resumes from this point. To stop playback completely or to start again from the beginning, press* **STOP** *twice.*

If the player is left in STOP mode for more than two minutes without any user interaction, a screen saver is activated.

Accelerated play

While the disc is playing, press the **REV** or **FWD** button one or more times to vary the speed and direction of the accelerated play.

Still image

While the disc is playing, press **PAUSE** once for freeze frame.

Note: After 30 seconds in PAUSE with no user interaction, the player goes into screen saver mode.

Frame advance

1. Press **PAUSE** twice.

   FRAME is displayed.

2. Press the **REV** or **FWD** button a number of times to advance forward image by image.

Variable slow motion

1. While the disc is playing, press the **PAUSE** button once.

   PAUSE is displayed.

2. Press the **REV** or **FWD** button a number of times to vary the speed and direction of the slow motion.

Changing chapter

While the disc is playing, press the ⏭ or ⏮ button to go immediately to the next or previous chapter, or to the next or previous track.

Zoom

1. While a disc is playing, press the **ZOOM** button until you reach the zoom size you require.
2. Move from one area to another using the ◀, ▶, ▲ and ▼ buttons.

Scene replay (DVD)

While the disc is playing, press the **AGAIN** button on the remote control to replay the last seconds of the film or sequence shown.

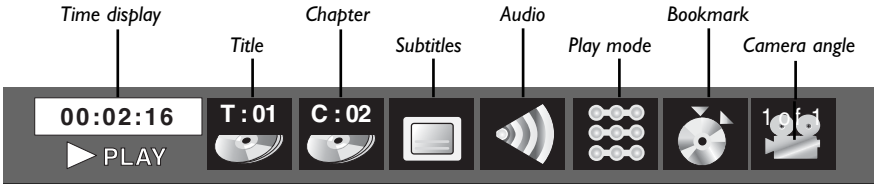
Info menu

You can display information about the disc during playback using the **Info** menu. It will also allow you to access certain functions. To display the menu, press **PLAY** to start playback and then press the **INFO** button on the remote control. Select the various options using the ◀ and ▶ buttons. Then follow the instructions which appear on the screen and use the ▲ and ▼ buttons on the remote control to scroll through the options.

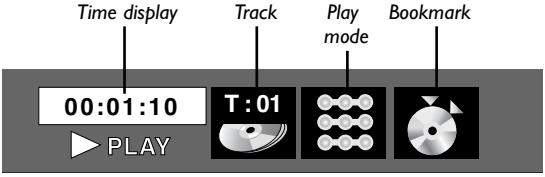
Note: When one of the icons is greyed out, this means that the relevant function is not available on the disc being played.

The invalid symbol indicates that the function selected or the button used is not available at this stage.

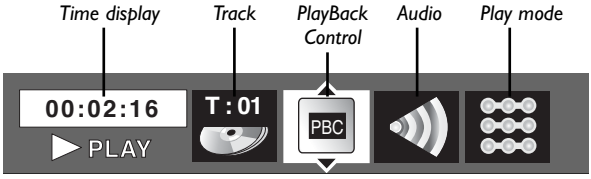
Info menu (DVD)



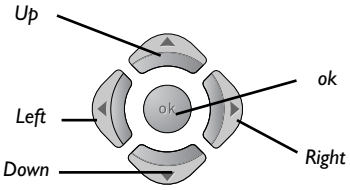
Info menu (audio CD)



Info menu (VCD and SVCD)



Info menu



Press the **INFO** button on the remote control while a disc is playing to display the **Info** menu.

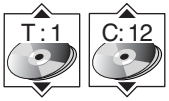
Use the ◄ and ► buttons on the remote control to select the icon you want. Then use the ▲ and ▼ buttons to select an option and press **ok** to confirm your selection.

EN
DVD

Time indication icon

Direct access (DVD)

To directly access a location on the disc which does not correspond to the start of a title or chapter, press the **INFO** button, then select the time indication icon with the ◄ and ► buttons, then enter a time with the numeric buttons (format hh:mm:ss).



Title/Track and Chapter icons

Title/Chapter (DVD) / Track (audio CD and VCD)

To directly access a title or a chapter (DVD), a track (audio CD and VCD), press the **INFO** button, then select one of these icons with the ◄ and ► buttons, and then choose a number using the ▲ and ▼ buttons or enter a number directly with the numeric buttons.

Note: Many discs only have one title.

Subtitles icon

Subtitles (DVD)

Subtitles are disabled by default. You enable the subtitle function as follows:

1. While the disc is playing, press the **INFO** button, then select the subtitle info using the ◄ and ► buttons, or press the ▭ button on the remote control in order to access the subtitle info directly.
2. Select a language using the ▲ and ▼ buttons.
3. To disable the subtitle function, select the **Off** option.

Note:

When you change the language of the subtitles using the **Info** *menu your choice of language only applies for the disc currently being played. When you eject the disc and switch off the player, the subtitles will be displayed again in the subtitle language you selected in the* **Languages** *menu (see page 32).*

Audio icon

Audio (DVD and VCD)

Some discs have several audio tracks used for different languages or different audio formats.

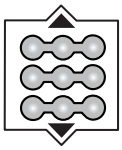
To change the language or audio format during play:

1. Press the **INFO** button, then select the audio icon with the ◄ and ► buttons, or press the 🔊 button on the remote control.
2. Choose a language or an audio format with the ▲ and ▼ buttons.

Notes:

This option is only available if the disc offers a number of dialogue languages or of audio formats.

When you change the dialogue language using the **Info** *menu, your choice of language is only applicable to the disc being played. When you eject the disc or switch off the player, the dialogue language will revert to the one you selected in the* **Languages** *menu (see page 32).*



Play mode icon

Play mode (all discs)

Note: For mp3 and WMA play modes, please refer to page 24.

1. While the disc is playing, press the **INFO** button, then select the Play mode info using the ◄ and ► buttons or press the **PLAY MODE** button on the remote control.
2. Choose an option using the ▲ and ▼ buttons, then press **ok**:
   - DVD play modes: standard, program, title repeat, chapter repeat, A-B repeat.

Notes:

Program Play mode is only available if a programmed list has been created (see page 28).

Repeat mode is only available with discs which display elapsed time.

To repeat a sequence between two points A and B, choose the A-B repeat option, and then follow the instructions for entering the two points. If, during a fast forward or reverse, point B is reached, the player continues playback at normal speed from point A. If, during a fast search, point A is reached, the player starts playback from point A at normal speed.

- VCD and SVCD play modes: standard, disc repeat, track repeat.
- audio CD play modes: standard, program, random, disc repeat, track repeat, IntroScan.

Note: IntroScan plays the first ten seconds of each track. When all the tracks have been scanned IntroScan stops. If you want to continue playing the track being scanned, press the **PLAY** *button. Press the* **STOP** *button to stop IntroScan.*

3. To stop the repeat playback, you have a choice between:
   - selecting the Play mode icon and choosing the **Standard** option, and
   - pressing the **STOP** button twice.

Bookmark icon

Bookmark (DVD and audio CD)

The player can store up to 12 disc locations as long as the disc remains in the player and the unit remains switched on.

This function is only available with discs whose elapsed time appears in the **Info** menu.

1. Press the **INFO** button, then select the bookmark icon with the ➤ and ➤ buttons, and press **ok** to confirm. Another menu is displayed describing six bookmarks. To display the other bookmarks, press the ➤ button.

2. To create a bookmark, select a position shown as "unmarked" using the ➤, ➤, ➤ and ➤ buttons, and then press **ok**.
3. To start playback from a bookmark, select the ▷ button, then press **ok** to confirm.
4. To delete a bookmark, select the 🗑 button, and then press **ok** to confirm.

Camera angle icon

Camera angle (DVD)

Some discs offer different camera angles for specific scenes.

1. To change the camera angle, press the **INFO** button, then select the camera angle icon with the ➤ and ➤ buttons, or press the button on the remote control.
2. Choose the angle with the ➤ and ➤ buttons or else press the button several times to view the different camera angles available.

Note:

If the disc was recorded using a single camera angle, this function is not available. There are very few discs offering more than one angle.

PlayBack Control icon

PBC - PlayBack Control (VCD)

The PlayBack Control function offers scenes and information which can be selected interactively via a menu. It can also be used to display high-resolution pictures, if the disc contains any.

Press the **INFO** button, then select PBC info. Press the ➤ and ➤ buttons to enable or disable this function.

mp3 is an audio file format which compresses recorded music. It was developed in collaboration with **THOMSON**. The main advantage of the mp3 format is that it means CD-quality music tracks can be stored on a personal computer in user-friendly compressed files.

WMA (Windows Media Audio) is another audio file format developed by Microsoft.

JPEG files are image files. Make sure that they have a resolution of less than 5 megapixels.

Note: The time taken for the contents of the disc to be displayed varies according to the size and number of JPEG files actually on the disc. If nothing is displayed after a few minutes, it is likely that certain files are too large. In this case, reduce the files' resolution and write another disc.

Displaying JPEG files or playing mp3 or WMA files

Before inserting a disc, check that it is compatible with the player.

1. Open the tray by pressing the **OPEN•CLOSE** button.
2. Place the disc with the printed side facing up.
3. If the **AutoPlay** option in the **Play Mode** menu is enabled (see page 28), the disc's contents are displayed, otherwise press the **PLAY** button to display them.

   Note: If the disc includes WMA and mp3 or JPEG files, a menu comes up. Select **WMA** *or* **mp3+JPEG** *using the ▲ and ▼ buttons and press* **ok**.
4. Select a folder using the ▲ and ▼ buttons on the remote control, then press **ok** to display the list of files or press **PLAY** to start playing all the files contained in the folder.
5. Select a file using the ◀, ▶, ▲ and ▼ buttons, then press **ok** and then **PLAY** to start playback.
   - mp3 or WMA file: the player begins by playing the selected file, then all the files and subfolders contained in the same folder. The player then plays the contents of the folders at the same level as the folder containing the file selected at the start.

   Note: While listening you can use the ⏮ or ⏭ button to go back to the previous track or go on to the next one.
   - JPEG file: the player starts the slide show with the JPEG file you have selected and proceeds to display all the JPEG files in the same folder, then all the JPEG files in the subfolders located in the same folder.

   Note: During the slide show you can use the button to rotate the picture 90°, the **ZOOM** *button to magnify the picture, the ⏮ or ⏭ buttons to go back to the previous picture or go on to the next one and the* **MENU** *button to interrupt the slide show and display the disc's contents.*
6. Press the **INFO** button to display the **Info** menu during playback.
   - mp3 and WMA file: press the ▲ or ▼ button several times to select a playback mode (standard, program, random, track repeat, folder repeat, disc repeat), and then press **ok**.
   - JPEG file: press the ▼ button to select a projection speed.
7. When the player has played all the files the music or slide show stops and the disc's contents is displayed again.
8. Press **STOP** to end playback.

Playing JPEG and mp3 files at the same time

You can display JPEG files while listening to mp3 music files recorded on the same disc. It is not possible to play JPEG and WMA music files at the same time.

1. Insert the disc containing the two types of file in the player.

Note: If the disc includes WMA and mp3 or JPEG files, a menu comes up. Select **WMA** *or* **mp3+JPEG** *using the ▲ and ▼ buttons and press* **ok**.

2. Select an image file using the ◄, ►, ▲ and ▼ buttons, then press **ok** to confirm your selection. The name of the folder where the file is located and the name of the file appear on the right in the "Current selection" section.

3. Then select an mp3 music file using the ◄, ►, ▲ and ▼ buttons, then press **ok** to confirm your selection. The name of the folder where the file is located and the name of the file appear on the right in the "Current selection" section.

Note: To delete your selection, press the **CLEAR** *button.*

4. Press the **PLAY** button to start playing the two files at the same time.

Note: You can also select a folder containing JPEG and mp3 files using the ◄, ►, ▲ and ▼ buttons, then press **PLAY**. *In this case, the player starts playing the pictures and music at the same time beginning with the first file of each type.*

- The player starts the slide show with the JPEG file selected and proceeds by displaying all the JPEG files in the same folder, and then all the JPEG files in the subfolders located in the same folder. At the same time, the player plays the selected mp3 file, then all the mp3 files in the same folder, and finally the mp3 files contained in the folders located at the same level as the folder containing the file selected at the start.

Note: If the mp3 files are finished playing before the end of the slide show, the player starts playing the mp3 files again until the slide show ends.

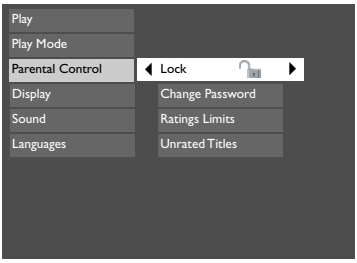
5. Press **INFO** to access the **Info** menu during simultaneous playback. You can change the slide show's projection speed.

6. During simultaneous playback you can use the **ZOOM** button to magnify the picture, the ⏮ or ⏭ buttons to go back to the previous picture or go on to the next one.

Player menus

The player's main menu is displayed when there is no disc in the player or when the disc has been interrupted during playback by pressing the **STOP** button. Select a menu option using the ◄, ►, ▲ and ▼ buttons. Press **ok** to confirm your selection.

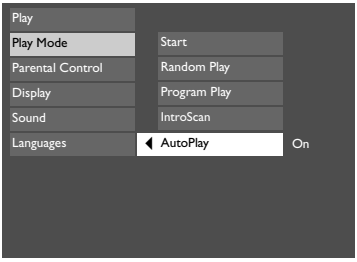
A menu option can provide access to a submenu, enable or disable an option or trigger an action.



Example of a sub-menu

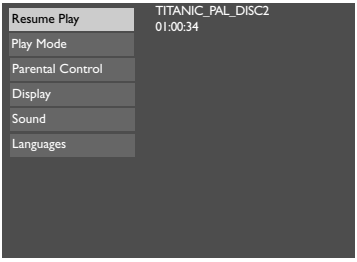
When a small arrow (▸) appears to the right of a menu option, this means that this option has a submenu. To access this submenu, select the relevant option and press **ok**.

Example: the **Parental Control** option provides access to a submenu offering four options ranging from **Lock** to **Unrated Titles**.



Other menu options (also followed by arrows) can be used to enable or disable an option.

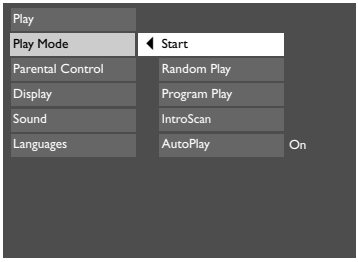
Example: when you select the option **AutoPlay** from the **Play mode** menu, each time you press the **ok** button you enable or disable (**On** or **Off**) the AutoPlay function.



Finally, menu options (not followed by arrows) can be used to carry out an action immediately. In this case, select the option and press **ok**.

Example: when you confirm the **Resume Play** option in the main menu, the disc resumes playing immediately from the point you interrupted it.

The Play Mode menu



1. Load a disc and press **STOP**.
2. Select the **Play Mode** option and press **ok** to confirm.

Note: The content of the **Play Mode** *menu varies depending on the type of disc.*

3. Select a play mode with the ▲ and ▼ buttons, and press **ok** to confirm.

EN
DVD

Start (all discs)

Press **ok** or the **PLAY** button to begin the disc's standard playback.

Random Play (Audio CD and mp3 only)

You can listen to all the tracks on the disc in a random order (chosen by the player) by choosing the **Random Play** option.

Press **ok** to start random playback.

Program Play (all discs except VCD, SVCD and JPEG)

With this option, you choose and program the playback order. Lists vary according to the type of disc.

1a. DVD: select a title using the ▲ and ▼ buttons and press the ➤ button to access the list of chapters and select a chapter using the ▲ and ▼ buttons.

1b. Audio CD: select a track using the ▲ and ▼ buttons, or select **All** to start playing all the tracks.

1c. mp3 and WMA CD: select a folder using the ▲ and ▼ buttons, then press the ➤ button to access the list of files, then select a file using the ▲ and ▼ buttons.

Note: When an mp3 or WMA file is selected for more than two seconds, the player plays the first 10 seconds of the song.

2. Press **ok** to add the title, chapter (DVD), track (audio CD) or file (mp3) selected to the list. Press the **CLEAR** button to remove the last title/chapter/track/file from the list. Press **PLAY** to start program play. Repeat steps 1 and 2 as often as necessary.

IntroScan (Audio CD only)

This option plays the first ten seconds of each track.

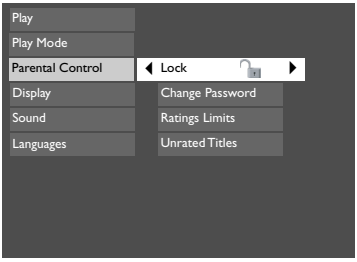
Press **ok** to start the IntroScan, press **STOP** to stop it and **PLAY** to continue playing the current track.

AutoPlay (all discs)

This option automatically starts playback as soon as a disc is loaded.

Press **ok** to enable or disable this option.

The Parental Control menu



You can control access to the player and the type of discs your family can watch with the lock function. There are eight levels of parental control.

Select the **Parental Control** option in the main menu and press **ok**. The corresponding menu is displayed.

Lock

1. To activate locking ( ) according to your pre-set rating limits, select the **Lock** option using the ▲ and ▼ buttons and press **ok** to confirm.
2. You are asked for a new password. Enter four digits using the number buttons and press **ok** to confirm.

   You are asked for confirmation; repeat the operation.

Note: Choose a password that is easy to remember, or write it down.

3. To unlock ( ), select the **Parental Control** option.
4. Enter your password.
5. Select the **Lock** function and press **ok** to confirm.

Change Password

1. To change the password, select this option and press **ok** to confirm.
2. Enter the four digits of your new password.

Ratings limits

The disc publisher is responsible for coding scenes according to the rating limits. In Europe, very few discs have coded scenes.

1. Select **Ratings limits** and press **ok** to confirm.
2. For the rating limit, select the level using the ▲ and ▼ buttons, then press **ok** to confirm.

Unrated Titles

1. To set-up password-only access to unrated titles, select **Unrated titles** and press **ok** to confirm.
2. Select **Password required** using the ▲ and ▼ buttons, and press **ok** to confirm.

Note: Your selected rating limits will only be applied if you then put the player into Lock mode (see above).

The Display menu

Select the **Display** option in the main menu using the ▲ and ▼ buttons, and press **ok** to confirm.

Press **ok** or the ➤ button to select the **TV Image** option.

EN
DVD

TV Image

Depending on the format of the DVD disc, you can choose the picture format best suited to the format of your TV screen.

1. Select a format using the ▲ and ▼ buttons:

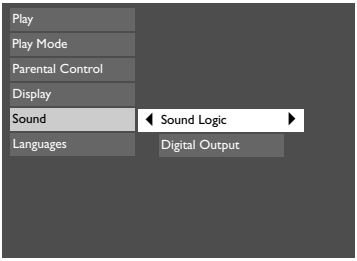
4x3 Letterbox: gives best reproduction of pictures recorded in this format (i.e. with horizontal bands at the top and bottom of the screen) or in 16x9,

4x3 Standard: reproduces a 4x3 picture without distortion,

16x9 Widescreen: reproduces 16x9 format films in full on a 16x9 screen.

2. Press **ok** to confirm.

The Sound menu



You can adapt your player to other equipment and access specific functions with the **Sound** menu.

1. Select the **Sound** option in the main menu using the ▲ and ▼ buttons and press **ok** to confirm.
2. Select an option using the ▲ and ▼ buttons, and press **ok** to confirm.

Sound Logic

You can use this function to control the different sound levels via dynamic compression. It improves the quality of the sound track at a low volume and quietens the loudest sounds.

Select an option using the ▲ and ▼ buttons, and press **ok** to confirm.

Note: This function is available only on DVD discs recorded in Dolby Digital.

Digital Output

Depending on the amplifier or TV your appliance is connected to, you must set up DIGITAL AUDIO output so that it transmits the appropriate digital signals. If the device connected to the DIGITAL AUDIO OUT socket does not support Dolby or DTS signals, neither Dolby Digital nor DTS must be selected.

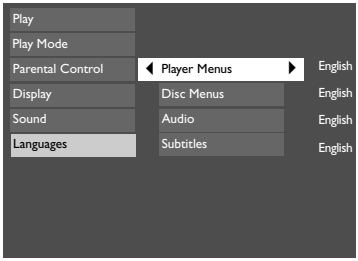
Select one (or two) option(s) (**Dolby Digital** or/and **DTS**) depending on the disc format and the type of sound you want to obtain, then press **ok** to confirm.

Notes:

DTS is a digital sound compression technique developed by Digital Theater Sound Systems for digital multichannel audio signals. "DTS" and "DTS Digital Out" are trademarks registered by Digital Theater Systems Inc.

Dolby and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Dolby Digital is a sound compression technique developed by Dolby Laboratories for digital audio multichannel signals. The Dolby Digital system supports any audio channel configuration, from stereo sound (2 channels) up to the digital "surround" sound 5.1.

The Languages menu



With this menu, you can set the language for player menus, dialogue, subtitles and the disc menus.

If you chose "English" during initial set-up, the main menu is displayed in English, any menus generated by the disc are in English, as is the language of the dialogues (if this language is available on the disc).

1. Select the **Languages** option in the main menu using the ▲ and ▼ buttons and press **ok** to confirm.
2. Select one of the options using the ▲ and ▼ buttons, and press **ok** to confirm.

Player Menus

To change the language of the player menus, choose the language using the ▲ and ▼ buttons and press **ok** to confirm.

Disc Menus

To change the language of the disc menus, choose the language using the ▲ and ▼ buttons and press **ok** to confirm.

Audio

1. To change the dialogue language, choose the language using the ▲ and ▼ buttons and press **ok** to confirm.
2. To change the language during play, display the audio icon by pressing the button on the remote control (see page 23).

Subtitles

1. To change the subtitle language, choose the language using the ▲ and ▼ buttons and press **ok** to confirm.

   Note: If the language chosen is available, it is automatically selected when you display the subtitles (see page 22). Otherwise, the subtitle language indicated on the disc is selected instead.

2. To change the language of the subtitles during playback, display the subtitle icon by pressing the button on the remote control (see page 22).

Troubleshooting

The appliance does not switch on.

- Make sure it is plugged into a mains socket.
- Press the ⏻ button on the remote control or the **ON/STANDBY** button on the front of the appliance.

The device switches off spontaneously.

- The device switches off automatically when it is in STOP mode for more than 30 minutes without any user intervention. Switch it on again.

The remote control does not work or works only intermittently.

- Check that batteries are inserted or change them.
- Aim the remote control at the appliance. The infrared beam must not be blocked or interrupted.
- Check that the remote control is configured to control the device you are trying to operate with it. Press the **DVD** button if you want to operate the DVD player, the **TV** button to operate a television set and the **VCR** button to operate the video recorder (see pages 6 and 7).

EN

There is no picture.

- Check you have switched on the TV set.
- Check the connections (see pages 4 and 5).
- Select the AV input assigned to the player on the TV.
- **VCR** - Try a different video tape. If the problem is solved, the problem may be caused by the tape itself.
- **VCR** - Try to correct tracking using the ▲ and ▼ buttons to reduce the amount of visible interference.

DVD

It is impossible to read the disc.

- Insert the disc with the printed side facing up.
- Check that the disc can actually be played by this device (see page 37).
- If you are trying to play a disc containing JPEG files, check that the files have a resolution of less than 5 megapixels.
- Check that the disc's regional code matches the player's regional code. This player's regional code is 2.
- Clean the disc (see page 35).

The picture is of poor quality (with snow or lines).

- Check the connections (see pages 4 and 5).

There is no sound or the sound is of poor quality.

- Check the connections (see pages 4 and 5).
- It may be necessary to modify the setting selected for the **Digital Output** option (**Sound** menu, page 31). If you have selected the DTS option, check that your player is connected to a DTS decoder and that the disc you are trying to read is recorded in DTS format. If one or other of these conditions has not been met there will be no sound or the sound will be distorted.

The subtitles do not appear.

- Check that the DVD disc provides subtitles.
- Refer to the section on how to display subtitles (see page 22).

The disc menu language is not the correct one.

- The disc menu language has not been set up (see page 32).
- The language of your choice is not available on the disc (see page 32).

You have forgotten your password (Parental control).

- When the main menu of the DVD player is displayed, press successively the numeric buttons **1**, **2** and then **3** on the remote control. A screen lets you know that a factory reset has been done. The parental control password is cancelled and all settings return to default values. Turn the appliance off and on again. The menu asking you to select the player menu language is displayed (see page 19). Select the language you want and then press **ok**. Then proceed again with all the settings you made when you first installed the player.

VCR

It is impossible to record a TV programme.

- Check the reception on your television set. If you cannot receive a picture through the aerial, the video recorder will be unable to record television broadcasts.
- Check the connections.
- Check that channels are tuned on the video recorder.
- Check the protection tab of the tape is not broken.
- Check the quality of the signal received by the television.

It is impossible to insert a tape.

- Check a cassette is not already inserted in the video recorder.
- Is the video cassette the right way round? The window should be at the top and the arrow should be pointing towards the video recorder.

NICAM sound is not being recorded.

- Check that **AUTO** has been selected in the **NICAM** menu.
- Consult a TV guide to check that the broadcast is in stereo.
- Check in your television's user manual that your television has the NICAM stereo feature.

No Hi-Fi sound.

- Check in the **Audio** menu that the **STEREO** option has been selected.
- Check in your television's user manual that your television has the stereo feature.

Autoplay does not work.

- If the protection tab of the tape has not been broken this function will not work.

Precautions

Use

- If your appliance has been stored in a cool place for any length of time, during a journey for example, wait for about 2 hours before using it.
- The openings located on the top and bottom are for ventilation and must not be obstructed.
- During thunderstorms, we recommend that you isolate the appliance from the electrical supply so that it is not damaged by electrical or electromagnetic surges.
- This appliance is designed for continuous use. Switching off the appliance to stand-by mode does not disconnect it from the mains supply. To completely isolate the equipment, remove the plug from the mains socket as some components remain connected to the electrical supply.
- If you notice any burning or smoke, disconnect the appliance immediately to avoid any risk of electrocution.
- Do not attempt to look inside the appliance through the disk tray opening or any other opening. You may be electrocuted or exposed to laser radiation.
- This appliance is for domestic use only and must not be used for industrial purposes.
- Total or partial copying of recordings protected by copyright legislation, without the explicit permission of the holder of the rights, contravenes current legislation. Copying or downloading music files for sale or any other business purpose constitutes or could constitute a violation of copyright law.

Cleaning

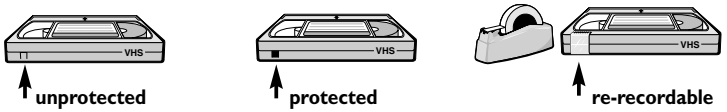
- Use a soft, dry, clean cloth. Regularly dust the vents at the back or sides.
- Using solvents, abrasive or alcohol-based products risks damaging the appliance.
- If an object or liquid enters inside the appliance, unplug it immediately and have it checked by an authorised engineer.

Handling and caring for discs

- Handle your discs with care. Hold the disc with your fingers at the edges or through the hole.
- Insert the disc with the label facing up (for a single-sided disc).
- Place the disc properly into the tray in the allotted holder.
- Use a soft cloth to clean discs if necessary, always wiping from the centre to the edge.
- Always put discs back in their cases after use and store in a vertical position.
- Do not close the tray with two discs in it or with a disc not sitting correctly in the holder.
- Do not play cracked, chipped or warped discs nor try to repair them with adhesive tape or glue.
- Do not write on a disc.
- Do not move the player when a disc is being played.
- Do not scratch discs or store them in places exposed to direct sunlight, high humidity or high temperatures.
- Do not use aerosol cleaners, benzene, anti-static liquids or any other solvent for cleaning discs. When cleaning, wipe gently with a soft damp (water only) cloth from the centre to the edge, avoiding circular motions, which could cause scratches and interference during playback.

Concerning video tapes

- Tapes are sensitive to environmental storage conditions. Keep them away from dust, humidity or excessive heat. Do not place them next to appliances producing strong magnetic or electrical fields (electro-magnet, motor, etc.). Tapes may vary in quality, the difference in quality not only concerns the tape itself but also the different mechanical elements of the video cassette. A poor quality tape can damage your video recorder. You should therefore only use quality brand tapes.



EN

- To avoid erasing one of your tapes by accident, we recommend you protect them by breaking the security tab. To reuse a protected tape, just stick a piece of adhesive tape on this place.

Guarantee

- The type and production number of your appliance are printed on the guarantee certificate delivered with your appliance. Keep this certificate as well as the invoice. These documents are required in the event of claiming your guarantee rights.
- All repairs during the guarantee period must be carried out by an authorised engineer representing our brand. If this condition is not met, your rights will no longer be valid.
- Never open the appliance yourself, since this may put you at risk or damage the equipment. THOMSON does not accept any liability if the appliance is used in any way other than in accordance with this manual.

DISCLAIMER OF WARRANTIES: TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, DECLARATIONS AND WARRANTIES OF NON-INFRINGEMENT OF COPYRIGHTS OR OTHER INTELLECTUAL PROPERTY RIGHTS RESULTING FROM THE USE OF THE PRODUCT IN CONDITIONS OTHER THAN THOSE SPECIFIED ABOVE ARE HEREBY DISCLAIMED.

Technical data

Mains supply: AC-200-240 V - 50 Hz - Power consumption: 23 W (3.2 W in standby) - Operating conditions: +5°C to +35°C - Surrounding humidity: 10% to 75 % (no condensation)

VCR

Max. recording time: 4 hours (SP mode, E-240 Tape), 8 hours (LP mode, E-240 Tape) - Rewind time: Approx. 180 seconds (E-180 tape) - Colour standards: PAL/MESECAM, Playback of NTSC tapes on a TV PAL 50Hz - Reception standard: I - Modulator: UHF, Channel 22 to 68, Pre-set at the factory on channel 60, Standard I - Track: Mono track & Hi-Fi Track - Signal to noise ratio: Hi-Fi : More than 70 dB (JIS A filter) - Dynamic range: Hi-Fi : More than 85 dB (JIS A filter)

DVD

Audio signal to noise ratio: 100dB (A wtd).

HELPLINE THOMSON

You can contact THOMSON by dialling: **0845 601 3093**
(For Great-Britain, all calls will be charged at local rate)
www.thomson-europe.com

Discs you can play

While advances have been made to ensure that your disc player is compatible with the largest number of discs possible, it cannot be guaranteed that you will be able to play discs which might not be compliant with audio CD, VCD and SVCD standards. In the case of writable and rewritable discs, compatibility with this player depends on the DVD writer, the write software and the disc used.

DVD-Video

Digital video discs - 12 cm and 8 cm, single or double sided, single or dual layer. DVDs are high-density optical discs on which high quality picture and audio are recorded by means of digital signals.

DVD-R, DVD-RW, DVD+RW

Most DVD-R (one recording only), DVD-RW and DVD+RW discs (rewritable). Depending on the DVD writer and discs used. Recordings using DVD-R and DVD-RW discs must be made in Video DVD mode. Recordings using DVD+RW discs must be made in accordance with the specifications for DVD+RW discs with a 4.7 GB capacity.

VCD - Video Compact Disc

CD on which you can record up to 74 min. of VHS-quality video associated with still images, audio tracks and interactive menus.

SVCD - Super Video Compact Disc

Most SVCDs comply with the IEC62107 standard. SVCDs can be used to record up to 70 minutes of digital sound and images in accordance with MPEG-2 standards for video and MPEG-1 standards for audio.

Audio CDs

Audio CDs (8 and 12 cm).

CD-R, CD-RW

Most CD-R (one recording only) and CD-RW discs (rewritable).
This player can play most CD-R discs. CD-Rs written during a multisession recording can also be played, provided that the session has ended before the disc is played (depending on the write software). However, depending on the condition of the CD-writer, computer and the disc used, you may find that not all discs will play successfully. When playing a CD-R disc, it is completely normal for the unit to take up to 20 seconds to recognise the disc before starting to play. If the disc is not recognised after a period of 20 seconds, remove the disc, and then insert it again.
• Irrespective of the actual recording capacity of the CD-R, do not use its full capacity. • CD-Rs should be preferably used instead of CD-RWs (rewritable CDs) as, in certain cases, CD-RW playback may be faulty. • Use reliable, good-quality CD write software.
• Close all other applications on the computer to ensure reliable CD-R disc recording.

mp3 files

CD-R and CD-RW discs containing audio files in mp3 format. As for CD-R mp3 discs, please follow all the recommendations for CD-R above, along with the comments below:
• Your mp3 files should be ISO 9660 or JOLIET format. ISO 9660 format and Joliet mp3 files are compatible with Microsoft's DOS and Windows, as well as with Apple Mac. These two formats are the most widely used. • mp3 filenames should not exceed 12 characters, and should end with the ".mp3" extension. General name format: Title.mp3. When composing your title ensure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including (. , / , \ , = ,+).• Use a decompression transfer rate of at least 128 kB/sec (kilobytes/second) when recording mp3 files. Sound quality with mp3 files basically depends on the rate of compression/decompression you choose. Obtaining audio CD quality sound requires an analog/digital sampling rate, that is conversion to mp3 format, of at least 128 kB/sec and up to 160 kB/sec. Choosing higher rates, such as 192 kB/sec or more, only rarely produces even better sound quality. Conversely, files with sampling rates below 128 kB/sec will not play properly. • Do not try recording copyright-protected mp3 files. "Securized" files are encrypted and code-protected to prevent illegal copying. You must not copy such files.
Important: The above recommendations cannot be taken as a guarantee that the DVD player will play mp3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for mp3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (i.e. degraded sound quality and even, in some cases, inability of the player to read the file).

JPEG files

CD-R and CD-RW with JPEG files. Certain JPEG files, including progressive JPEG files, cannot be read by this player.

WMA files

CD-R with WMA files.

EN